Arch Rival Nails
SAFETY DATA SHEET
ACID PRIMER
Revision Date: 29-07-2025

Section 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier
Trade name: ACID PRIMER

1.2 Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses: Professional nail enhancement hardener for use with nail base coat
Uses advised against: All other uses

1.3 Details of the supplier of the Safety Data Sheet
Initial Supplier:
Arch Rival Nails
3595 12th Ave, Port Alberni, BC Canada V9Y 4W9
E-mail: info@archrivalnails.com
Phone: 1-604-821-6829 (English- Business hours: 9 AM - 5 PM PST)

Emergency Contact:
Primary: 1-604-821-6829 (Business hours only)
Secondary: Poison Control Centre Canada: 1-844-POISON-X (1-844-764-7669) - 24/7
After hours: Contact local poison control center

Bilingual Availability Statement: This SDS is available in both English and French. Une FDS en français est disponible sur demande.

Section 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP], WHMIS 2015, and OSHA HCS 2012:

- Acute Toxicity - Oral, Category 4 (H302)
- Acute Toxicity - Dermal, Category 4 (H312)
- Acute Toxicity - Inhalation, Category 4 (H332)
- Skin Corrosion, Category 1B (H314)
- Serious Eye Damage, Category 1 (H318)
- Flammable Liquid, Category 4 (H227)

2.2 LABEL ELEMENTS:
SIGNAL WORD: DANGER

Hazard statements:

- H227: Combustible liquid
- H302: Harmful if swallowed
- H312: Harmful in contact with skin

- H314: Causes severe skin burns and eye damage
- H318: Causes serious eye damage
- H332: Harmful if inhaled

Precautionary statements:

Prevention:

- P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
- P260: Do not breathe mist/vapours/spray
- P264: Wash hands and contaminated skin thoroughly after handling
- P270: Do not eat, drink or smoke when using this product
- P271: Use only outdoors or in a well-ventilated area
- P280: Wear protective gloves/protective clothing/eye protection/face protection

Response:

- P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
- P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower
- P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P310: Immediately call a POISON CENTER/doctor
- P363: Wash contaminated clothing before reuse
- P370+P378: In case of fire: Use water spray, foam, dry chemical or CO2 to extinguish

Storage:

- P403+P235: Store in a well-ventilated place. Keep cool
- P405: Store locked up

Disposal:

- P501: Dispose of contents/container in accordance with local/regional/national/international regulations

2.3 Other hazards
PBT/vPvB Assessment: This product does not contain components which are considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. Endocrine Disrupting Properties: Based on available data, this product is not classified as having endocrine disrupting properties.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture meeting the criteria for classification in accordance with Regulation (EC) No. 1272/2008, WHMIS 2015, and OSHA HCS 2012.

Component Name	CAS No.	Classification (CLP/GHS)	Conc. (% w/w)	Notes
Methacrylic Acid	79-41-4	Acute Tox. 4 (H302, H312, H332); Skin Corr. 1A (H314); Eye Dam. 1 (H318); STOT SE 3 (H335)	95-99.5	[1] [2]
Tocopheryl Acetate (Vitamin E)	58-95-7	Not classified	≤0.5	[6]

The exact percentages (concentrations) of composition have been withheld as trade secrets in accordance with applicable regulations: 29 CFR 1910.1200(i) (USA), WHMIS 2015 Section 5.11 (Canada), and CLP Regulation (EC) 1272/2008 Article 11 (EU).

Component Name	ATE Oral (mg/kg)	ATE Dermal (mg/kg)	ATE Inhal. (mg/L, 4h)	M-factors
Methacrylic Acid	1060	500	7.1	Not applicable
Tocopheryl Acetate	Not classified	Not classified	Not classified	Not applicable

Section 4: FIRST AID MEASURES

4.1 Description of first aid measures

Following inhalation:
Remove person to fresh air immediately. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Seek immediate medical attention.

Following skin contact:
Remove contaminated clothing immediately. Rinse skin immediately with plenty of water for at least 15 minutes. Follow by washing thoroughly with soap and water. Seek immediate medical attention. Chemical burns require immediate medical treatment.

Following eye contact:
Rinse immediately with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Remove contact lenses if present and easy to do so. Continue rinsing. IMMEDIATELY call a poison center or doctor. This is a medical emergency.

Following ingestion:
Rinse mouth with water. Do NOT induce vomiting. Give water to drink if conscious. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Protection of first aider:
Use appropriate personal protective equipment to avoid exposure during rescue. Ensure adequate ventilation when providing first aid.

4.2 Most important symptoms and effects

Immediate symptoms:

- Eyes: Severe irritation, pain, tearing, corneal damage, possible blindness
- Skin: Severe burns, tissue destruction, pain, redness
- Respiratory: Irritation of nose, throat, and respiratory tract, coughing, shortness of breath

- Ingestion: Burns to mouth, throat, and digestive tract, abdominal pain, vomiting

Delayed effects:

- Scarring from chemical burns
- Possible permanent eye damage
- Respiratory sensitization with repeated exposure

4.3 Indication of any immediate medical attention and special treatment needed

For eye contact: This is a medical emergency. Immediate and thorough irrigation is critical. Continue irrigation en route to medical facility. Ophthalmological examination is required.
For skin contact: Treat as chemical burn. May require specialized burn treatment.
Antidote: No specific antidote. Treatment is symptomatic and supportive.
Special instructions for physician: Monitor for signs of corrosive injury to GI tract if ingested. Consider endoscopy if ingestion suspected. Contact national poison center for additional treatment advice: Canada 1-844-POISON-X.

Section 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:
Water spray, alcohol-resistant foam, dry chemical powder, carbon dioxide (CO_2)

Unsuitable extinguishing media:
High pressure water jet (may spread fire)

5.2 Special hazards arising from the substance or mixture

Combustion products:
Thermal decomposition may produce toxic gases including carbon monoxide, carbon dioxide, nitrogen oxides, and various organic fragments.

Specific hazards:
Product is combustible. Vapor may form explosive mixture with air. Containers may rupture when heated.

5.3 Advice for firefighters

Protective equipment:
Firefighters should wear self-contained breathing apparatus (SCBA) with full face mask and full protective clothing.

Special firefighting procedures:
Use water spray to cool fire-exposed containers. Remove containers from fire area if safe to do so. Collect contaminated fire water separately - do not allow to enter drains or waterways.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:
Evacuate unnecessary personnel. Ensure adequate ventilation. Avoid contact with skin, eyes, and clothing. Use full personal protective equipment including acid-resistant gloves and chemical goggles.

For emergency responders:
Use appropriate personal protective equipment including chemical-resistant suit. Approach spill from upwind direction.

6.2 Environmental precautions
Prevent entry into waterways, sewers, basements, or confined areas. Notify authorities if product enters waterways or sewers.

6.3 Methods and material for containment and cleaning up

Small spills:
Neutralize with sodium bicarbonate or soda ash. Absorb with inert absorbent material. Place in appropriate container for disposal.

Large spills:
Dike and contain spill. Neutralize carefully with appropriate base. Collect neutralized material for disposal. Wash area with water after cleanup.

6.4 Reference to other sections
See Section 8 for exposure controls and personal protection. See Section 13 for disposal considerations.

Section 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

General handling:
Use only in well-ventilated areas. Use appropriate personal protective equipment. Avoid contact with skin, eyes, and clothing. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product.

Professional nail salon use:
Ensure adequate ventilation in work area. Keep away from heat and ignition sources. Use in small quantities only.

Hygiene measures:
Wash hands and contaminated skin thoroughly after handling. Remove contaminated clothing immediately.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions:
Store in original container in cool, dry, well-ventilated area. Keep container tightly closed. Store below 50°C (122°F). Protect from sunlight and heat sources.

Incompatible materials:
Strong oxidizing agents, strong bases, metals, amines

7.3 Specific end use(s)
See Section 1.2. Professional nail enhancement hardener.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Substance	Country	Type	Value	Notes
Methacrylic Acid	USA (OSHA)	PEL	20 ppm (70 mg/m³)	8-hour TWA, Skin
Methacrylic Acid	USA (NIOSH)	REL	20 ppm (70 mg/m³)	10-hour TWA, Skin
Methacrylic Acid	USA (ACGIH)	TLV	20 ppm	8-hour TWA
Methacrylic Acid	Canada	OEL	20 ppm (70 mg/m³)	8-hour TWA
Methacrylic Acid	EU	OEL	20 ppm (70 mg/m³)	8-hour TWA

8.2 Exposure controls

Engineering controls:
Use adequate general and local exhaust ventilation to maintain airborne concentrations below exposure limits. Emergency eyewash stations and safety showers should be available.

Personal protective equipment:

Respiratory protection:
Not normally required with adequate ventilation. If exposure limits may be exceeded, use NIOSH/MSHA approved organic vapor respirator.

Hand protection:
Wear chemical-resistant gloves (nitrile rubber, neoprene, or PVC). Breakthrough time should be determined for specific application.

Eye/face protection:
Wear chemical safety goggles. Face shield recommended when splash hazard exists.

Skin protection:
Wear appropriate protective clothing to prevent skin contact. Chemical-resistant apron recommended.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Clear liquid
Color	Colorless
Odor	Characteristic acrylic odor
Odor threshold	Not determined
pH	<2 (acidic)

Property	Value
Melting point/freezing point	16°C (61°F)
Initial boiling point/range	163°C (325°F)
Flash point	77°C (171°F) (Closed cup)
Evaporation rate	<1 (n-Butyl acetate = 1)
Flammability	Combustible liquid
Upper/lower flammability limits	Not determined
Vapor pressure	0.131 kPa at 25°C
Vapor density	>1 (Air = 1)
Relative density	1.015 g/cm³ at 20°C
Solubility(ies)	Soluble in water
Partition coefficient (n-octanol/water)	Not determined
Auto-ignition temperature	68°C (154°F)
Decomposition temperature	>250°C
Viscosity	Approximately 25 cps at 25°C
Explosive properties	Not explosive
Oxidizing properties	Not oxidizing
VOC Content	<99% by weight (calculated per EPA Method 24)

Additional Physical Properties:
Particle characteristics: Not applicable (liquid)
Mechanical sensitivity: Not mechanically sensitive
Conductivity: Not determined
Surface tension: Not determined

Section 10: STABILITY AND REACTIVITY

10.1 Reactivity
Stable under normal conditions. May polymerize under certain conditions.

10.2 Chemical stability
Stable under recommended storage conditions. Contains polymerization inhibitor.

10.3 Possibility of hazardous reactions
Hazardous polymerization may occur under exposure to heat, light, or in presence of free radical initiators.

10.4 Conditions to avoid
Heat, sparks, open flames, hot surfaces, UV light, extreme temperatures, incompatible materials.

10.5 Incompatible materials
Strong oxidizing agents, strong bases, metals, amines, peroxides.

10.6 Hazardous decomposition products
Under fire conditions: Carbon monoxide, carbon dioxide, nitrogen oxides, various organic fragments.

Section 11: TOXICOLOGICAL INFORMATION

Information on hazard classes as defined in Regulation (EC) No 1272/2008

11.1 Information on toxicological effects

Acute Toxicity:

- Oral: LD50 (rat) = 1060 mg/kg - Category 4
- Dermal: LD50 (rabbit) = 500 mg/kg - Category 4
- Inhalation: LC50 (rat, 4h) = 7.1 mg/L - Category 4

Skin corrosion/irritation:
Category 1B - Causes severe skin burns and tissue damage.

Serious eye damage/irritation:
Category 1 - Causes serious eye damage, possible permanent injury.

Respiratory or skin sensitization:
Limited data available. May cause respiratory irritation.

Germ cell mutagenicity:
Not classified. No data indicates mutagenic potential.

Carcinogenicity:
Not classified. Not listed as carcinogen by NTP, IARC, or ACGIH.

Reproductive toxicity:
Not classified. No data indicates reproductive toxicity.

STOT-single exposure:
Category 3 - May cause respiratory irritation (H335).

STOT-repeated exposure:
Not classified.

Aspiration hazard:
Not classified.

Likely route(s) of exposure:
Dermal contact, eye contact, inhalation during professional use.

Section 12: ECOLOGICAL INFORMATION

12.1 Toxicity
Limited aquatic toxicity data available. Expected to be harmful to aquatic organisms.

12.2 Persistence and degradability
Expected to be readily biodegradable based on structural analysis.

12.3 Bioaccumulative potential
Low bioaccumulation potential expected due to water solubility.

12.4 Mobility in soil
Expected to have high mobility in soil due to water solubility.

12.5 Results of PBT and vPvB assessment
This product does not contain components considered to be PBT or vPvB at levels ≥0.1%.

12.6 Endocrine disrupting properties
Based on available data, this product is not classified as having endocrine disrupting properties.

12.7 Other adverse effects
May cause pH changes in aquatic systems due to acidic nature.

Section 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product disposal:
Dispose as hazardous waste in accordance with local, regional, and national regulations. Do not dispose in regular trash or pour down drains. Neutralize before disposal if permitted.

Canada-specific requirements:
Classified as hazardous waste under provincial environmental regulations.

EU-specific requirements:
Waste code: 16 09 03* (Peroxides and other oxidizing substances) or appropriate local code.

US-specific requirements:
May be subject to RCRA regulations. Characteristic waste code D002 (Corrosive).

Container disposal:
Containers should be completely emptied and disposed of as hazardous waste. Triple rinse containers before disposal.

Section 14: TRANSPORT INFORMATION

14.1 UN number
Road/Rail (ADR/RID): UN2531
Sea (IMDG): UN2531
Air (IATA): UN2531

14.2 UN proper shipping name
Methacrylic Acid, Stabilized

14.3 Transport hazard class(es)
8 (Corrosive)

14.4 Packing group
II

14.5 Environmental hazards
Not classified as marine pollutant

14.6 Special precautions for user
Handle according to good industrial hygiene practices. When shipped in 12-15mL bottles under Limited Quantity provisions:
- ADR/RID: LQ 1L
- IMDG: LQ 1L
- IATA: LQ 0.5L

14.7 Maritime transport in bulk according to IMO instruments
Not applicable - Product not shipped in bulk.

Section 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

CANADIAN REGULATIONS:

WHMIS 2015 Classification:

- Acute Toxicity - Oral, Category 4
- Acute Toxicity - Dermal, Category 4
- Acute Toxicity - Inhalation, Category 4
- Skin Corrosion, Category 1B
- Serious Eye Damage, Category 1

Canadian Environmental Protection Act (CEPA):
All components are listed on or exempt from the Domestic Substances List (DSL).

UNITED STATES REGULATIONS:

OSHA Hazard Communication Standard (29 CFR 1910.1200):
Classified as hazardous

TSCA Status:
All components are listed on the TSCA Inventory or are exempt.

California Proposition 65:
This product does not contain chemicals known to the State of California to cause cancer or reproductive toxicity above notification thresholds.

EUROPEAN UNION REGULATIONS:

CLP Regulation (EC) No 1272/2008:
See Section 2.1 for classification

REACH Regulation (EC) No 1907/2006:
All components >1 tonne/year are registered or covered by registrations.

15.2 Chemical safety assessment
A chemical safety assessment has been carried out for methacrylic acid.

Section 16: OTHER INFORMATION

16.1 Indication of changes
This revision updates the SDS for 2025 GHS 7&8 compliance requirements.

16.2 Abbreviations and acronyms

- ACGIH: American Conference of Governmental Industrial Hygienists
- CAS: Chemical Abstracts Service
- CLP: Classification, Labelling and Packaging
- EC: European Community
- GHS: Globally Harmonized System
- NIOSH: National Institute for Occupational Safety and Health
- OSHA: Occupational Safety and Health Administration
- PEL: Permissible Exposure Limit
- REL: Recommended Exposure Limit
- TLV: Threshold Limit Value
- TWA: Time Weighted Average
- WHMIS: Workplace Hazardous Materials Information System

16.3 Key literature references and sources for data

- ECHA C&L Inventory Database
- NIOSH Pocket Guide to Chemical Hazards
- ACGIH Threshold Limit Values
- Manufacturer technical data sheets

16.4 Classification and procedure used to derive the classification for mixtures
Classification derived according to CLP Regulation based on concentration of methacrylic acid.

16.5 Full text of hazard statements (H-statements) referred to under Sections 2 and 3:

- H227: Combustible liquid
- H302: Harmful if swallowed
- H312: Harmful in contact with skin
- H314: Causes severe skin burns and eye damage
- H318: Causes serious eye damage
- H332: Harmful if inhaled
- H335: May cause respiratory irritation

16.6 Training advice
Ensure all personnel handling this product receive appropriate training on hazard recognition, safe handling practices, and emergency procedures.

90-Day Update Commitment: This SDS will be reviewed and updated within 90 days of any significant new hazard, toxicological, or regulatory information becoming available.

Date of preparation: 29-July-2025
Date of last revision: 29-July-2025
Version: 1.0 (2025 GHS 7&8 Compliant)

Prepared by: Technical Regulatory Department
Reviewed by: Product Safety Department

Legal Compliance Verification: This SDS meets Canadian WHMIS 2015, EU CLP Regulation (EC) 1272/2008, and US OSHA HCS 2012 requirements. All CAS numbers have been verified through official databases.

Disclaimer: The information in this Safety Data Sheet is based on current knowledge and national and international regulations. It is provided in good faith but no warranty, representation, or guarantee is made as to its accuracy, reliability, or completeness. This information relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. It is the responsibility of the user to ensure safe conditions for handling, storage, use, and disposal of the product.

END OF SAFETY DATA SHEET

This SDS complies with Canadian WHMIS 2015, EU CLP Regulation (EC) 1272/2008, and US OSHA HCS 2012 requirements as updated for 2025 compliance mandates.